



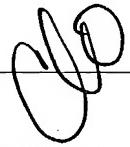
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/619,297	07/14/2003	Mark H. Pratley	02-MAR-301	6309
200	7590	03/12/2004	EXAMINER	
TRIEU, THAI BA				
ART UNIT		PAPER NUMBER		
3748				

DATE MAILED: 03/12/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No.	Applicant(s)
	10/619,297	PRATLEY ET AL. 
	Examiner Thai-Ba Trieu	Art Unit 3748

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on \_\_\_\_\_.
- 2a) This action is **FINAL**.                    2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-5 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) 1-5 is/are allowed.
- 6) Claim(s) \_\_\_\_\_ is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All    b) Some \* c) None of:
  1. Certified copies of the priority documents have been received.
  2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input checked="" type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | Paper No(s)/Mail Date. _____ .  |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>07/14/03</u> . | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
|   | 6) <input type="checkbox"/> Other: _____ .                                  |

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## DETAILED ACTION

This application is in condition for allowance except for the following formal matters:

### 1. IN THE INFORMATION DISCLOSURE:

The reference Number US 5,078,583 to Hampton et al., and The reference Number US 5,893,355 to Glover et al., which were disclosed in the specification, should be listed on the IDS PTO 1449 form (See Page 8, Paragraph [0021], line 3).

### 2. IN THE ABSTRACT:

Since the abstract is too long and contains **236** words, applicant is required to submit a substitute abstract in order to meet the requirement set forth below.

Applicant is reminded of the proper language and format for an abstract of the disclosure.

The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. It is important that the abstract not exceed 150 words in length since the space provided for the abstract on the computer tape used by the printer is limited. The form and legal phraseology often used in patent claims, such as "means" and "said," should be avoided. The abstract should describe the disclosure sufficiently to assist readers in deciding whether there is a need for consulting the full patent text for details.

The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes," etc.

**3. IN THE SPECIFICATION:**

- On Page 8, Paragraph [0020], line 8; and Paragraph [0021], lines 12-13, "***the combustion chamber 16***" should be replaced by -- **the expandable combustion chamber 16** -- (for consistency of the whole specification).
- On Page 10, Paragraph [0026], lines 5-6, Page 11, Paragraph [0029], line 5 and 10-11, "***hub portion 54***" should be replaced by -- **inner hub portion 54** -- and "***hub member 64***" should be replaced by -- **output hub member 64** -- (for consistency of the whole specification).

**4. IN THE CLAIM:**

Applicants are suggested to correct the following minor informalities in the claims

- In claim1, part ( c ) should be replaced by following:

--one of said first and second members defining an angled passage having a radially outer end in communication with said axial gap, and a radially inner end in communication with the axially opposite end of said **second** member, whereby rotation of said **first and second** members generates a flow of said air-oil mist through said angled passage and said axial gap, and between said outer cylindrical surface of said **first and second** members and said inside diameter of said torsion spring.--

- In claim 2, line 3, “**member**)” should be replaced by -- **member** -- (for correcting typographical error).
- In claim 4, lines 4-5, “**(88)**” after “**a plurality of openings**” should be deleted.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

### ***Conclusion***

The IDS(s) (PTO-1449) filed on July 14, 2003, 2003 has been considered. Each initialized copy is attached hereto.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- Hupp (US Patent Number 1,431,401) discloses a flexible coupling.
- Lindsay (US Patent Number 1,705,984) discloses a flexible coupling.
- Lewis (US Patent Number 2,115,819) discloses a vibration dampener.
- Karde (US Patent Number 2,963,006) discloses a two cycle supercharged internal combustion engine.
- Meermans (US Patent Number 3,017,230) discloses a lubrication system.
- McGovern (US Patent Number 4,844,044) discloses a torsion damping mechanism for supercharger.

- Mueller et al. (US Patent Number 4,924,839) discloses a supercharger with torsion damping.
- Woodard (US Patent Number 4,944,279) discloses a supercharger torsion damping mechanism with friction damping.
- McGovern et al. (US Patent Number 4,953,517) disclose a torsion damping mechanism for a supercharger.
- Gwin (US Patent Number 5,281,116) discloses a supercharger vent.
- Jeng et al. (US Patent Number 5,848,845) discloses a configuration of lubrication nozzle in high speed rolling element bearings.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thai-Ba Trieu whose telephone number is (703) 308-6450. The examiner can normally be reached on Monday - Thursday (6:30-5:00), every Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas E. Denion can be reached on (703) 308-2623. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9302 for regular communications and (703) 872-9303 for After Final communications.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0861.

TTB  
March 11, 2004



Thai-Ba Trieu  
Patent Examiner  
Art Unit 3748



Thomas Denion  
THOMAS DENION  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 3700